

# ECM Surface Mount Oscillator

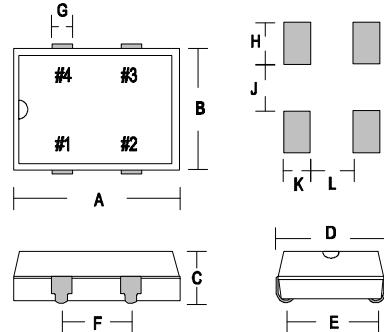
## Epson SG615 Series

- SMD Oscillator with Heat Resisting Crystal
- Output Enable
- Low Current Consumption
- Superior Shock Resistance
- High Density Mounting SMD Oscillator



Parameter	SG615P	SG615PTJ	SG615PH
Frequency Range	1.025MHz to 26.0MHz	26.0001 to 66.6667MHz	
Frequency Stability	B type +/-50ppm C type +/-100ppm		
Supply Voltage	5.0V +/-10%		
Supply Current	23mA max	35mA max	
Load (CMOS) (TTL)	50pF max 10TTL max	5TTL max	50pF max
Duty Cycle (CMOS) (TTL)	40 / 60 45 / 55	- 45 / 55	40 / 60 -
Output Rise (CMOS) Times (TTL)	8nS max 8nS max	- 5nS max	7nS max -
Output Fall (CMOS) Times (TTL)	8nS max 8nS max	- 2nS max	7nS max -
Output Enable Voh Disable Voltage Vol	2.0V min 0.8V min	3.5V min 1.5V max	2.0V min 0.8V max
Start-up Time	4mS max	10mS max	
Aging	+/-5ppm / year max		
Operating Temp	-10°C to +70°C -40°C to +85°C available		

Environmental & Mechanical	
Mechanical Shock	EIAJ ED-4701 A-124
Thermal Shock	EIAJ ED-4701-b-131
Vibration	EIAJ ED-4701 A-121
Soldering Condition	260°C for 10 Seconds max 230°C within 3 Minutes



Part Numbering : SG615P 6.0M B A

Type \_\_\_\_\_  
 Frequency \_\_\_\_\_  
 Tolerance \_\_\_\_\_  
 B = 50ppm C = 100ppm \_\_\_\_\_  
 Temperature Range \_\_\_\_\_  
 Blank = Standard \_\_\_\_\_  
 A = -40°C to +85°C \_\_\_\_\_

Pin	1	2	3	4
Function	Tristate	GND / Case	O/P	V <sub>DD</sub>

A	B	C	D	E	F
14.00	8.65	4.31	9.80	7.62	5.08

G	H	J	K	L
0.51	3.00	5.80	1.30	3.80

Dimensions in mm

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